

## SENIOR WATER TREATMENT PLANT OPERATOR - 2931

### GENERAL DEFINITION AND CONDITIONS OF WORK:

Performs difficult technical work operating the water treatment plant and equipment; does related work as required. Work is performed under regular supervision. Supervision is exercised over water treatment plant operators in the absence of the Water Treatment Plant Superintendent.

This is heavy work requiring the exertion of 100 pounds of force occasionally, up to 50 pounds of force frequently, and up to 20 pounds of force constantly to move objects; work requires climbing, stooping, kneeling, crouching, reaching, standing, walking, lifting, fingering, grasping, and feeling; vocal communication is required for expressing or exchanging ideas by means of the spoken word; hearing is required to perceive information at normal spoken word levels; visual acuity is required for depth perception, color perception, preparing and analyzing written or computer data, visual inspection involving small defects and/or small parts, use of measuring devices, assembly or fabrication of parts at or within arms length, operation of machines, operation of motor vehicles or equipment, determining the accuracy and thoroughness of work, and observing general surroundings and activities; the worker is subject to inside and outside environmental conditions, extreme cold, extreme heat, noise, hazards, atmospheric conditions, and wearing a self contained breathing apparatus.

### ESSENTIAL FUNCTIONS/TYPICAL TASKS:

**Operating the water treatment plant; performing laboratory quality control checks; preparing and maintaining appropriate records and files; preparing reports.**

Operates the water treatment plant; turns pumps, generators, filters and valves on and off as necessary to ensure an adequate supply of potable water into the system;

Adjusts chemical feeders as necessary;

Monitors meters, graphs, alarms, indicators, lights and numeric read-outs and manipulates controls to ensure water flows where and when needed;

Takes water samples and performs required tests;

Analyzes test results to determine proper chemical feed rate; makes appropriate adjustments;

Records actions and test results in log;

Performs mechanical and electrical repairs to plant equipment;

Conducts laboratory quality control checks on media preparation; incubation equipment, lab procedures and techniques;

Documents results of checks;

Acts as plant superintendent when required;

Maintains attendance records; mows grass; applies herbicide;

Inspects electric generators, fuel tanks, air compressors, electrical panels, trucks and ventilation equipment;

Performs related tasks as required.

### KNOWLEDGE, SKILLS AND ABILITIES:

Thorough knowledge of the principles, practices and equipment of water plant operations; thorough knowledge of chlorination requirements of water distribution systems; thorough knowledge of the occupational hazards and safety precautions involved in water plant operation; thorough knowledge of laboratory procedures; ability to plan and supervise operations; ability to prepare detailed reports and maintain records; ability to establish and maintain effective working relationships with associates and the general public.

### EDUCATION AND EXPERIENCE:

Any combination of education and experience equivalent to graduation from high school supplemented by college level courses in chemistry or water plant operations and extensive experience in water plant operations, including some supervisory experience.

### SPECIAL REQUIREMENTS:

Possession of a Grade A certification issued by the State of North Carolina.